

WHAT IS CLAIMED IS:

1. A method for constructing a fiber-mutant adenovirus vector which comprises the steps of inserting a unique restriction enzyme recognition sequence into a fiber HI loop-coding gene sequence, and introducing a foreign peptide-coding DNA into the gene sequence.
2. The method according to claim 1 wherein the unique restriction enzyme is *Csp45I* and /or *ClaI*.
3. The method according to claim 1 wherein the foreign peptide is a peptide having tropism for tumor vascular endothelial cells.
4. The method according to claim 2 wherein the foreign peptide is a peptide having tropism for tumor vascular endothelial cells.
5. The method according to claim 3 wherein the foreign peptide having tropism for tumor vascular endothelial cells is a peptide containing a tripeptide: R-G-D.
6. The method according to claim 4 wherein the foreign peptide having tropism for tumor vascular endothelial cells is a peptide containing a tripeptide: R-G-D.
7. The method according to claim 3 wherein the peptide having tropism for tumor vascular endothelial cells is a peptide containing a tripeptide: N-G-R.
8. The method according to claim 4 wherein the peptide having tropism for tumor vascular endothelial cells is a peptide containing a tripeptide: N-G-R.
9. A fiber-mutant adenovirus vector which is constructed by the method according to claim 1.
10. A fiber-mutant adenovirus vector which is constructed by the method according to claim 2.
11. A fiber-mutant adenovirus vector which is constructed by the method according to claim 3.
12. A fiber-mutant adenovirus vector which is constructed by the method according to claim 4.
13. A fiber-mutant adenovirus vector which is constructed by the method according to

claim 5.

14. A fiber-mutant adenovirus vector which is constructed by the method according to claim 6.

15. A fiber-mutant adenovirus vector which is constructed by the method according to claim 7.

16. A fiber-mutant adenovirus vector which is constructed by the method according to claim 8.

17. An adenovirus vector which comprises a unique restriction enzyme site in the fiber HI loop-coding gene sequence.

18. The adenovirus vector according to claim 17 wherein the unique restriction enzyme is *Csp45I* and/or *Clal*.